

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of	)	Examiner: Unknown
Shmaryu M. Shvartsman, et al.	)	Art Unit: Unknown
	)	
Serial No.: not assigned	)	
	)	
Filed: herewith	)	
	)	
Title: Self-Shielded Gradient Field Coil	)	
For Magnetic Resonance Imaging	)	
	)	Cleveland, Ohio 44143
Attorney Docket No.: PHUS020449US	)	May 18, 2005

**Information Disclosure Statement under 37 CFR 1.97(b)(3)**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Further to the filing of the National Stage Entry of PCT patent application, serial number PCT/IB2003/004802, Applicants submit an Information Disclosure Statement under 37 CFR 1.97(b)(3). Along with the foreign and article references, Applicants also enclose a form PTO/ISB/08A listing all of the references for the Examiner's convenience.

Applicants believe that no charge is due for the submission of this Information Disclosure Statement. However, please charge any necessary fees in connection with this submission to our Deposit Account No. 14-1270.

Respectfully submitted,



Thomas M. Lundin  
Reg. No. 48,979  
Philips Intellectual Property & Standards  
595 Miner Road  
Cleveland, Ohio 44143  
Phone: 440-483-4281 Fax: 440-483-2452

Subst. Form PTO-1449  APPLICANT'S(S') INFORMATION DISCLOSURE STATEMENT	Atty.Dkt.No.: PHUS020449US	Serial No.: <del>Unknown</del> 10/535530
	Applicant(s): SHVARTSMAN, ET AL	
	Filing Date: Herewith	Group:

## U.S. PATENT DOCUMENTS

Initial		Document No.	Date	Name	Class	Subcl.	Filing Date
	AA	4,794,338	12/27/88	Roemer, et al.	324	39	11/25/1987
	AB	4,978,920	12/18/90	Mansfield, et al.	324	318	04/14/1989
	AC	5,296,810	03/22/94	Morich	324	318	09/09/1992
	AD	5,561,371	10/01/96	Schenck	324	318	09/27/1995
	AE	5,736,858	04/07/98	Katznelson, et al.	324	318	10/29/1996
	AF	6,049,207	04/11/00	Petropoulos	324	318	11/25/1998
	AG	6,078,177	06/20/00	Petropoulos, et al	324	318	01/05/1998
	AH	6,236,203	05/22/01	Shvartsman, et al.	324	309	09/28/1998
	AI	6,297,635	10/02/01	Arz, et al.	324	318	11/09/1999
	AJ	6,342,787	01/29/02	Petropoulos, et al	324	320	11/22/2000
	AK	6,479,999	11/12/02	DeMeester, et al.	324	318	06/05/2001
	AL						

## FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Subcl.	Translation?
	AM	EP1 102 080 A2	05/23/01	Europe			
	AN	WO 93/04493	03/04/93	PCT			

## OTHER ART

	AP	Kimmlingen, et al., AGradient System Providing Continuously Variable Field
		Characteristics@, Magnetic Resonance in Medicine 47: 800-808 (2002)
	AQ	Kimmlingen, et al. AGradient System with Continuously Variable Field
		Characteristics@, ISMRM 2000

Examiner:

Date Considered:

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if in conformance and not considered. Include copy of this form with next communication to applicant.

PTO/SB/08A (04-03)  
Approved for use through 04/30/2003. OMB 0651-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE  
o a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**(Use as many sheets as necessary)**

**Complete if Known**

Application Number	unknown 90/535530
Filing Date	herewith
First Named Inventor	S. Shvartsman
Art Unit	unknown
Examiner Name	unknown
Attorney Docket Number	PHUS020449US

[illegible]

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)	MM-DD-YYYY			
		EP 1 094 330 A2	04-25-2001	Petropoulos		
		EP 0 562 707 A1	09-29-1993	DeMeester		
		GB 2 331 808 A	06-02-1999	Goldie		

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

**If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.**

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		Application Number	unknown <b>10/535530</b>
		Filing Date	herewith
		First Named Inventor	S. Shvartsman
		Art Unit	unknown
		Examiner Name	unknown
Sheet 3 of 3	Attorney Docket Number	PHUS020449US	

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		DEMEESTER, G., et al.; Shielded Gradient Coil Design with Variable Field-of-View; 2002; Proc. Intl. Soc. Mag. Reson. Med.; 10: abstract.	
		DEMEESTER, G., et al.; Method of Gradient Coil Design that Allows Control of the Residual Eddy Current Effect; 2003; Proc. Intl. Soc. Mag. Reson. Med; 11: 2416.	
		SHVARTSMAN, S., et al.; Gradient Coil Design with 3D Geometry and Variable Field-of-View; 2003; Proc. Intl. Soc. Mag. Reson. Med.; 11:743.	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.